

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/019094

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C233/79 C07D295/135 C07D307/52 C07D333/20 C07D233/61
C07C323/25 C07D271/10 C07D231/12 C07D333/58 C07D213/38
A61K31/165 A61K31/33 A61P25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/027061 A (LIU BIN ; LILLY CO ELI (US); ALLEN JENNIFER REBECCA (US); HITCHCOCK ST) 3 April 2003 (2003-04-03) cited in the application pages 1,14-20	1,9-15
A	WO 99/04778 A (HUGHES PHILIP FLOYD ; STASZAK MICHAEL ALEXANDER (US); WARD JOHN STANLE) 4 February 1999 (1999-02-04) cited in the application claims 1,16-19	1,9-15
A	WO 97/25983 A (STASZAK MICHAEL A ; HUFF BRET E (US); WARD JOHN S (US); HUGHES PHILIP) 24 July 1997 (1997-07-24) cited in the application claims 1,16-22	1,9-15

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

22 November 2004

Date of mailing of the international search report

30/11/2004

Name and mailing address of the ISA

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 10-15
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 10-15 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/019094

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03027061	A	03-04-2003	BR 0212353 A CA 2461218 A1 EP 1436249 A2 HR 20040230 A2 WO 03027061 A2	27-07-2004 03-04-2003 14-07-2004 31-08-2004 03-04-2003
WO 9904778	A	04-02-1999	AU 8591898 A CA 2297906 A1 EP 1003495 A1 JP 2001510797 T WO 9904778 A1 US 2001012848 A1	16-02-1999 04-02-1999 31-05-2000 07-08-2001 04-02-1999 09-08-2001
WO 9725983	A	24-07-1997	AU 1582197 A AU 1834997 A CA 2243500 A1 CA 2243717 A1 EP 0880558 A1 EP 0874625 A1 JP 2000504320 T JP 2001521484 T WO 9725983 A1 WO 9726300 A1 US 6429317 B1	11-08-1997 11-08-1997 24-07-1997 24-07-1997 02-12-1998 04-11-1998 11-04-2000 06-11-2001 24-07-1997 24-07-1997 06-08-2002